

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHAL  
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

# LISTING SERVICE

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**CATEGORY:** Ionization Smoke Detector (Single/Multiple)

**LISTEE:** Invensys Climate Controls Americas, 191 E. North Ave., Carol Stream, IL 60188-2064  
Contact: Tom Barakat (630) 260-7262 Fax (630) 260-7290

**DESIGN:** Model FADCQ, single and multiple station, combination ionization smoke and carbon monoxide (co) alarm. Refer to listee's data sheet for detailed product description and operational considerations.

**RATING:** 120V ac – 9V dc battery backup

**INSTALLATION:** In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.

**MARKING:** Listee's name, model number, electrical rating, and UL label.

**APPROVAL:** Listed as single and multiple station ionization smoke detector for use with the following batteries: Ultra Life U9VL-J, Eveready Energizer #522, and Duracell MN1604. This unit can generate a distinctive three-pulse Temporal Pattern Fire Alarm Evacuation Signal (for total evacuation) in accordance with NFPA 72, 1999 Edition. Refer to listee's Installation Instructions Manual for details.

**NOTE:** The ionization type detectors are generally more effective at detecting fast, flaming fires, which consume combustible materials rapidly and spread quickly. Sources of these fires may include paper burning in a waste container or a grease fire in the kitchen. The photoelectric type detectors are generally more effective at detecting slow, smoldering fires, which smolder for hours before bursting into flames. Sources of these fires may include cigarettes burning in couches or bedding.

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This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **MARCH 26, 2003**

*Listing Expires **June 30, 2003***

Authorized By: **DIANE K. AREND, Senior Deputy  
Program Manager**